


Notice of Allowability	Application No.	Applicant(s)	
	10/751,452	SEIKI ET AL.	
	Examiner	Art Unit	
Tarifur R Chowdhury	2871		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to terminal disclaimer filed on 08/18/04.
2. ☒ The allowed claim(s) is/are 19-36.
3. ☒ The drawings filed on 06 January 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 10/043,193.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|---|

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Eckhard H. Kuesters on August 19, 2004.

The application has been amended as follows:

In claim 25, line 15, "corresponding to the second area, and each of the second pixel electrodes is formed of a " has been changed to --corresponding to a second area, wherein each of the first pixel electrode is formed of a reflecting conductive film and each of the second pixel electrodes is formed of a --

In claim 31, after line 4,

-- a reflecting film interposed between the first pixel electrodes and the first substrates;--

In claim 31, line 14, "electrode, wherein a first display region corresponding to the first area is higher in utilization" has been changed to --electrode, wherein each of the first pixel electrodes and second pixel electrodes is formed of a transparent conductive film and a first display region corresponding to the first area is higher in utilization--.

Allowable Subject Matter

2. Claims 19-36 are allowed.

3. The following is an examiner's statement of reasons for allowance:

1. As to claim 19, the prior arts of record do not anticipate or render obvious to one skilled in the art a liquid crystal display device comprising first and second pixel electrodes arrayed on at least one continuous first area and at least one continuous second area respectively (corresponds to page 24, lines 17-24 of the instant application), wherein the second area is spaced apart from the first area, a first common electrode and a second common electrode facing the first and second pixel electrodes respectively and wherein a first display region corresponds to the first area is higher in utilization rate of external light or light emitted from a front light than a second display region that corresponds to the second area and can display an image by light transmission mode and by light reflection mode.

2. As to claim 25, the prior arts of record do not anticipate or render obvious to one skilled in the art a liquid crystal display comprising first and second pixel electrodes arrayed on a first and second area respectively wherein the second area is different from the first area, a first and a second common electrode facing the first and second pixel electrodes respectively, and wherein each of the first pixel electrodes is formed of a reflecting conductive film, and each of the second pixel electrodes is formed of a reflective conductive film provided with at least one opening.

3. As to claim 31, the prior arts of record do not anticipate or render obvious to one skilled in the art a liquid crystal display device comprising first and second pixel

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electrodes arrayed on at least one continuous first area and at least one continuous second area respectively, wherein the second area is spaced apart from the first area, a reflecting film interposed between the first pixel electrodes and the first substrate, a first common electrode and a second common electrode facing the first and second pixel electrodes respectively and wherein each of the first pixel electrodes and the second pixel electrodes is formed of a transparent conductive film.

4. Applicant filed a terminal disclaimer on August 18, 2004 to obviate the double patenting rejection based on USPAT 6,714,270, which has been approved. Further, the closest reference, USPAT 6,195,140 (Kubo) discloses a transflective liquid crystal display wherein a pixel electrode that is made of a transparent conductive film and a metal film is formed on a first substrate and a continuous common electrode formed on a second substrate. Therefore, Kubo alone or in combination fail to teach or suggest a transflective liquid crystal display wherein a first and second pixel electrodes arrayed on at least one continuous first area and at least one continuous second area respectively (corresponds to page 24, lines 17-24 of the instant application), wherein the second area is spaced apart from the first area, a first common electrode and a second common electrode facing the first and second pixel electrodes respectively. Further, it is known for a transflective display to have pixel electrodes with a transmissive region and a reflective region by having one reflecting electrode and one transmissive electrode. Similarly two transmissive electrodes with a reflector between the electrode and the substrates also provide transflective display. Further, a reflective electrode having opening to provide transflective mode is also known in the art. However, both the pixel

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electrode being made of reflective material with only one of the pixel electrode being provided with an opening in a transfective display is considered novel.

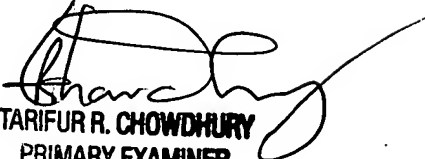
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tarifur R Chowdhury whose telephone number is (571) 272-2287. The examiner can normally be reached on M-Th (6:30-5:00) Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TRC
August 20, 2004


TARIFUR R. CHOWDHURY
PRIMARY EXAMINER